



	1				5					10		
ATG	GCT	CCA	ATG	ACT	CAG	ACT	ACT	TCT	CTT	AAG	ACT	TCT
Met	Ala	Pro 15	Met	Thr	Gln	Thr	Thr 20	Ser	Leu	Lys	Thr	Ser 25
TGG	GTT	AAC	TGC	TCT	AAC	ATG	ATC	GAT	GAA	ATT	ATA	ACA
Trp	Val	Asn	Суѕ	Ser 30	Asn	Met	Ile	Asp	Glu 35	Ile	Ile	Thr
CAC	TTA	AAG	CAG	CCA	CCT	TTG	CCT	TTG	CTG	GAC	TTC	AAC
His	Leu 40	Lys	Gln	Pro	Pro	Leu 45	Pro	Leu	Leu	Asp	Phe 50	Asn
AAC	CTC	AAT	GGG	GAA	GAC	CAA	GAC	ATT	CTG	ATG	GAA	AAT
Asn	Leu	Asn	Gly 55	Glu	Asp	Gln	Asp	Ile 60	Leu	Met	Glu	Asn
AAC	CTT	CGA	AGG	CCA	AAC	CTG	GAG	GCA	TTC	AAC	AGG	GCT
Asn 65	Leu	Arg	Arg	Pro	Asn 70	Leu	Glu	Ala	Phe	Asn 75	Arg	Ala
GTC	AAG	AGT	TTA	CAG	AAT	GCA	TCA	GCA	ATT	GAG	AGC	ATT
Val	Lys	Ser 80	Leu	Gln	Asn	Ala	Ser 85	Ala	Ile	Glu	Ser	Ile 90
										GCC		
Leu	Lys	Asn	Leu	Leu 95	Pro	Cys	Leu	Pro	Leu 100	Ala	Thr	Ala
GCA	CCC	ACG	CGA	CAT	CCA	ATC	CAT	ATC	AAG	GAC	GGT	GAC
Ala	Pro 105	Thr	Arg	His	Pro	Ile 110	His	Ile	Lys	Asp	Gly 115	Asp
TGG	AAT	GAA	TTC	CGT	CGT	AAA	CTG	ACC	TTC	TAT	CTG	AAA
Trp	Asn	Glu	Phe 120	Arg	Arg	Lys	Leu	Thr 125	Phe	Tyr	Leu	Lys
ACC	TTG	GAG	AAC	GCG	CAG	GCT	CAA	CAG	ACC	ACT	CTG	TCG
Thr 130	Leu	Glu	Asn	Ala	Gln	Ala	Gln	Gln	Thr	Thr	Leu	Ser
CTA	GCG	ATC	TTT	TAA	TAA		(\$	SEQ 3	D NO): 14	14)	
Leu	Ala	Ile	Phe	END	END		(5	SEQ]	D NO): 13	38)	

9 IleAspGluIleIleThrHisLeuLysGlnProProLeuProLeuLeuAspPheAsnAsn **ATCGATGAAATCATCACCCACCTGAAGCAGCCACCGCTGCCGCTGCTGGACTTCAACAAC** CTCAATGGTGAAGACCAAGATATCCTGATGGAAAATAACCTTCGTCGTCCAAACCTCGAG LeuAsnGlyGluAspGlnAspIleLeuMetGluAsnAsnLeuArgArgProAsnLeuGlu ID NO:145]aa70 OBS] 157 GCATTCAACCGTGCTGTCAAGTCTCTGCAGAATGCAT **AlaPheAsnArgAlaValLysSerLeuGlnAsnAla** 61 ----+----+----+-----+ **aa20**

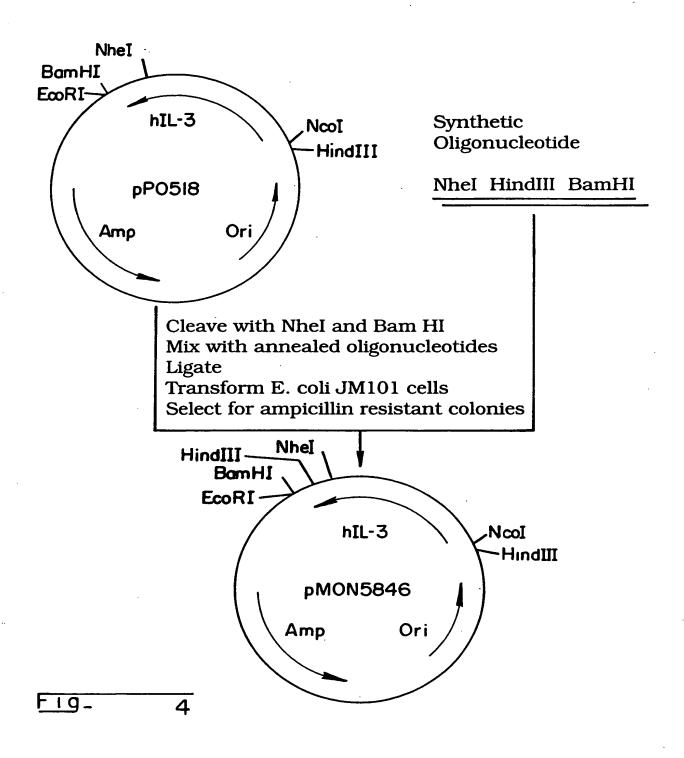
Clal to Nsil Replacement Fragment

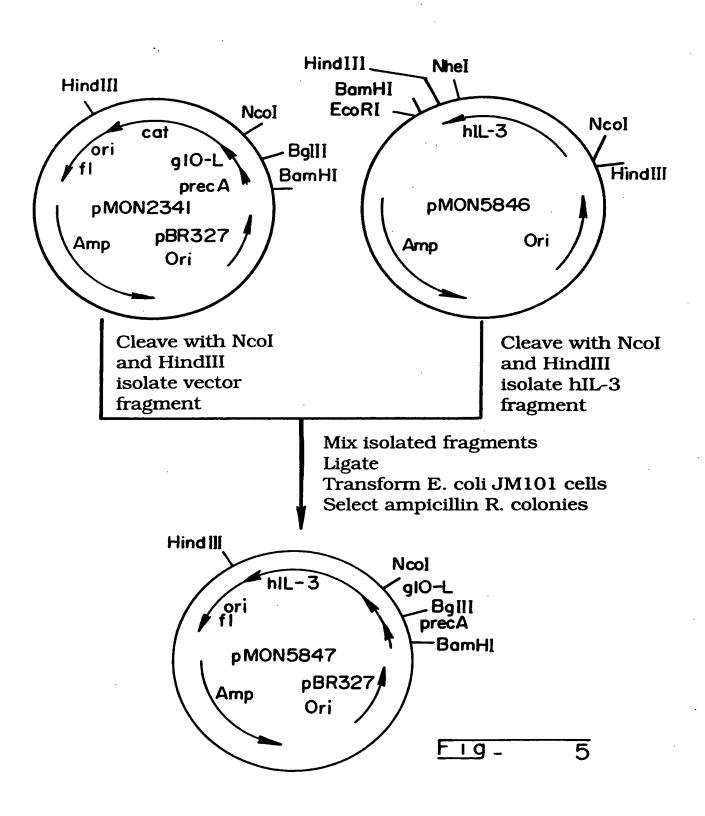
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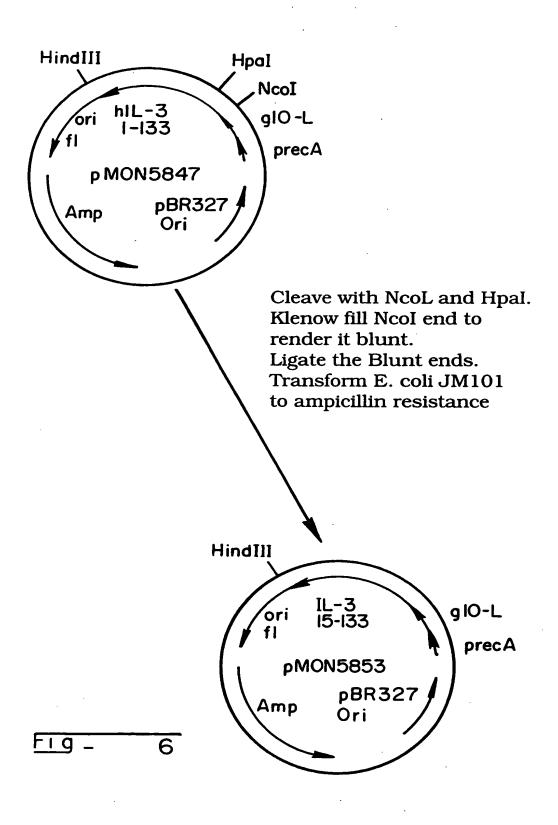
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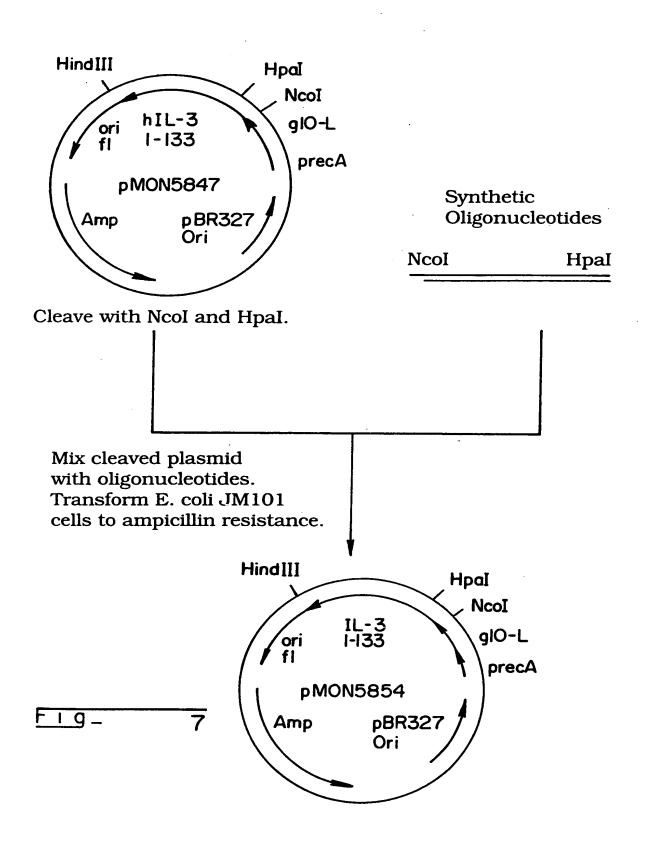
1	N H C p O a I CCATGGCTCCAATGACTCAGACTACTTCTCTTAAGACTTCTTGGGTTAACTGCTCTAACA	60									
	GGTACCGAGGTTACTGAGGTCTGATGAAGAAGAATTCTGAAGAACCCAATTGACGAGATTGT MetAlaProMetThrGlnThrThrSerLeuLysThrSerTrpValAsnCysSerAsnMe										
	C 1 a I										
61	TGATCGATGAAATTATAACACACTTAAAGCAGCCACCTTTGCCTTTGCTGGACTTCAACA	120									
121 181	ACTAGCTACTTTAATATTGTGTGAATTTCGTCGGTGGAAACGGAAACGACCTGAAGTTGT IleAspGluIleIleThrHisLeuLysGlnProProLeuProLeuLeuAspPheAsnA										
121	ACCTCAATGGGGAAGACCAAGACATTCTGATGGAAAATAACCTTCGAAGGCCAAACCTGG										
	TGGAGTTACCCCTTCTGGTTCTGTAAGACTACCTTTTATTGGAAGCTTCCGGTTTGGACC LeuAsnGlyGluAspGlnAspIleLeuMetGluAsnAsnLeuArgArgProAsnLeuG										
	N S i										
181	I AGGCATTCAACAGGGCTGTCAAGAGTTTACAGAATGCATCAGCAATTGAGAGCATTCTTA										
	TCCGTAAGTTGTCCCGACAGTTCTCAAATGTCTTACGTAGTCGTTAACTCTCGTAAGAAT										
240 -	AlaPheAsnArgAlaValLysSerLeuGlnAsnAlaSerAlaIleGluSerIleLeuLy										
	AAAATCTCCTGCCATGTCTGCCCCTGGCCACGCGCACCCACGCGACATCCATA+ TTTTAGAGGACGGTACAGACGGGGACCGGTGCCGGCGTGCGGTGCGCTTAGGTTAGGTAT										
	AsnLeuLeuProCysLeuProLeuAlaThrAlaAlaProThrArgHisProIleHisIle										
	FIQ_ 3A										

TCAAGGACGGTGACTGGAATGAATTCCGTCGTAAACTGACCTTCTATCTGAAAACCTTGG 301 AGTTCCTGCCACTGACCTTACTTAAGGCAGCATTTGACTGGAAGATAGACTTTTGGAACC LysAspGlyAspTrpAsnGluPheArgArgLysLeuThrPheTyrLeuLysThrLeuGlu AGAACGCGCAGGCTCAACAGACCACTCTGTCGCTAGCGATCTTTTAATAAGCTT 361 TCTTGCGCGTCCGAGTTGTCTGGTGAGACAGCGATCGCTAGAAAATTATTCGAA AsnAlaGlnAlaGlnGlnThrThrLeuSerLeuAlaIlePheEndEnd 3B









ATGATGATTACTCTGCGCAAACTTCCTCTGGCGGTTGCCGTCGCAGCGGGCGTAATGTCT TACTACTAATGAGACGCGTTTGAAGGAGACCGCCAACGGCAGCGTCGCCCCGCATTACAGA MetMetIleThrLeuArgLysLeuProLeuAlaValAlaValAlaAlaGlyValMetSer

81 61 ----+-GCTCAGGCCATGGCTAACTGC

CGAGTCCGGTACCGATTGACG

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NO: H CES]

150]

149]

NO:

CI ČES]

[SEQ ID NO:

Peptide lamB Signal ∞

9

